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A MONTHLY JOURNAL
DEVOTED
TO PROGRESS OF THE USEFUL ARTS

EDITED BY
L. EISENLOHR AND C. WEIGLE
ARCHITECTS.

EXPLANATION OF THE PLATES.

Plate 1.—Mantel-Piece in Rosso di Levante with Appliqué Bronze Ornament; from the design of Ihne and Stegmüller executed by M. L. Schleicher in Berlin.

Plate 2.—Jewelry; from the design of O. Girard manufactured by J. Bacher and Markowitsch and Scheid in Vienne.

Plate 3.—Specimens of Surface Decoration, designed by Eisenlohr and Weigle, Architects in Stuttgart.

Plate 4.—Ewer in Silver Cast and Gilt by Odiot, Goldsmith in Paris.

Plate 5.—Richly carved Book-Case in Italian Walnut for a Gentleman's Study; from the design of Ihne and Stegmüller executed by E. Langer, Cabinet-Maker in Schweidnitz.

Plate 6.—Panel from the Communion Table in the Cathedral of Verdun, wrought in one piece and repoussé on both sides by A. G. Moreau, Art-Metal Worker in Paris.

Plate 7.—Cover of a Majolica Dish, middle of 16th century.

VARIOUS.

American Glass Making.

The first glass factory in America was erected in 1609 near Jamestown, Va., and the second followed in the same colony twelve years later. In 1639 some acres of ground were granted to glassmen in Salem, Mass., probably the first year of the industrie which was prosecuted there for many years. The first glass factory in Pennsylvania was built near Philadelphia in 1683, under the direction of Wm. Penn, but it did not prove successful. The first glass factory west of the Alleghenies was set up by Albert Gallatin and his associates in 1785, at New Geneva, on the Monongahela River. A small factory was established on the Ohio River, near Pittsburg, in 1790, and another in 1795. The earlier attempt failed, the later was quite successful. In 1810 there were twenty-two glass factories in the country, with an annual product valued at \$1,047,000. There are now about five times as many factories, producing eight times as much glass. According to the returns received under the recent census, our flint-glass

factories turn out 210,554 tons of table and other glassware; and the window-glass works produce 2,644,440 boxes. The total value of the product is nearly \$45,750,000.

Scientific American.

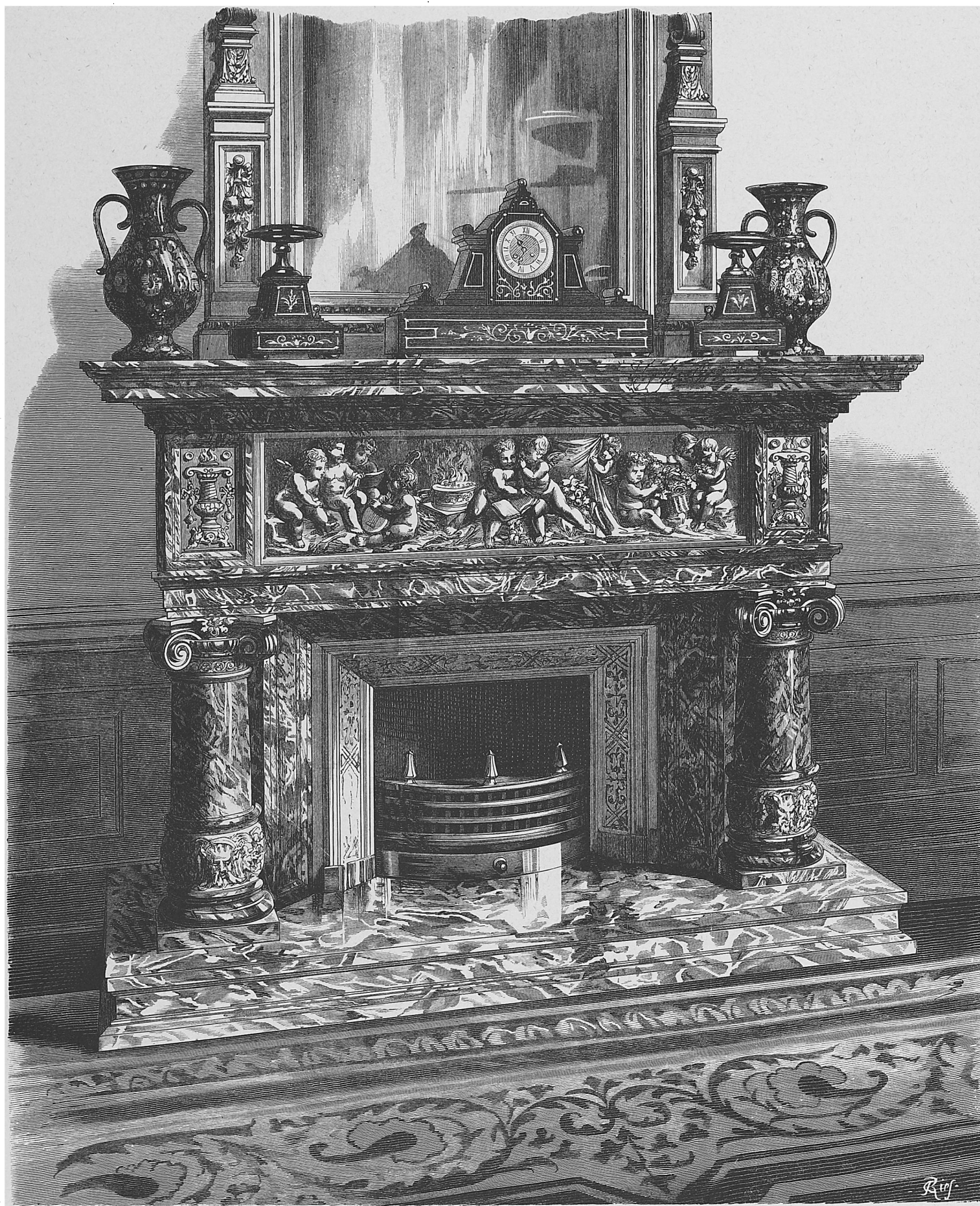
Improved Preparation of Carmine.

It is often difficult to obtain a pure bright carmine, even with the best cochineal. It is known that Guatemala contains over 16, Java 7, Canary cochineal 18 per cent stearoptine or crystallisable fat. T. T. Hess has brought an improvement in the preparation, which consists in eliminating the fatty substance by means of alcohol, the color obtained is then purer and brighter than otherwise.

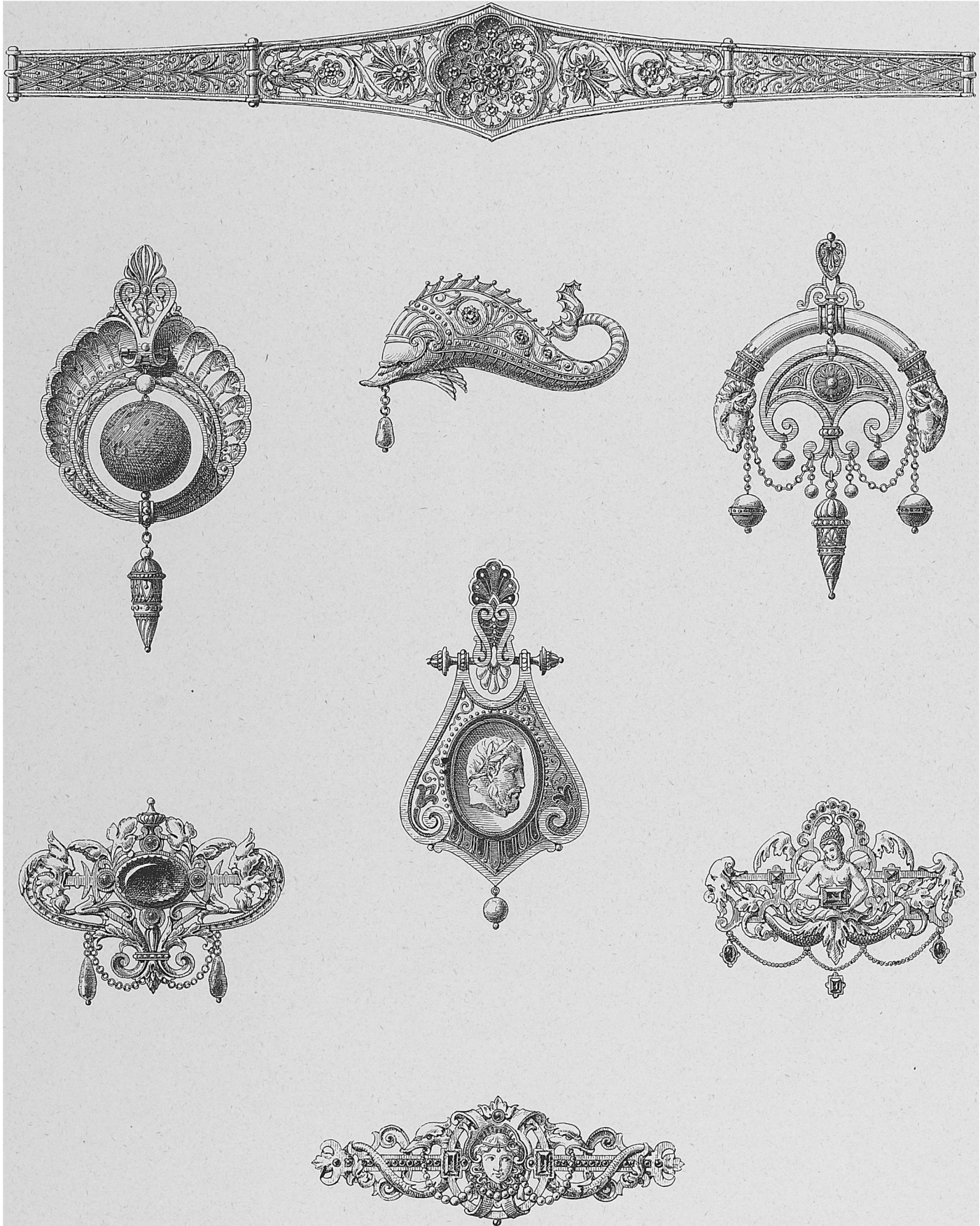
The Furniture Gazette.

Natural Silver Plating.

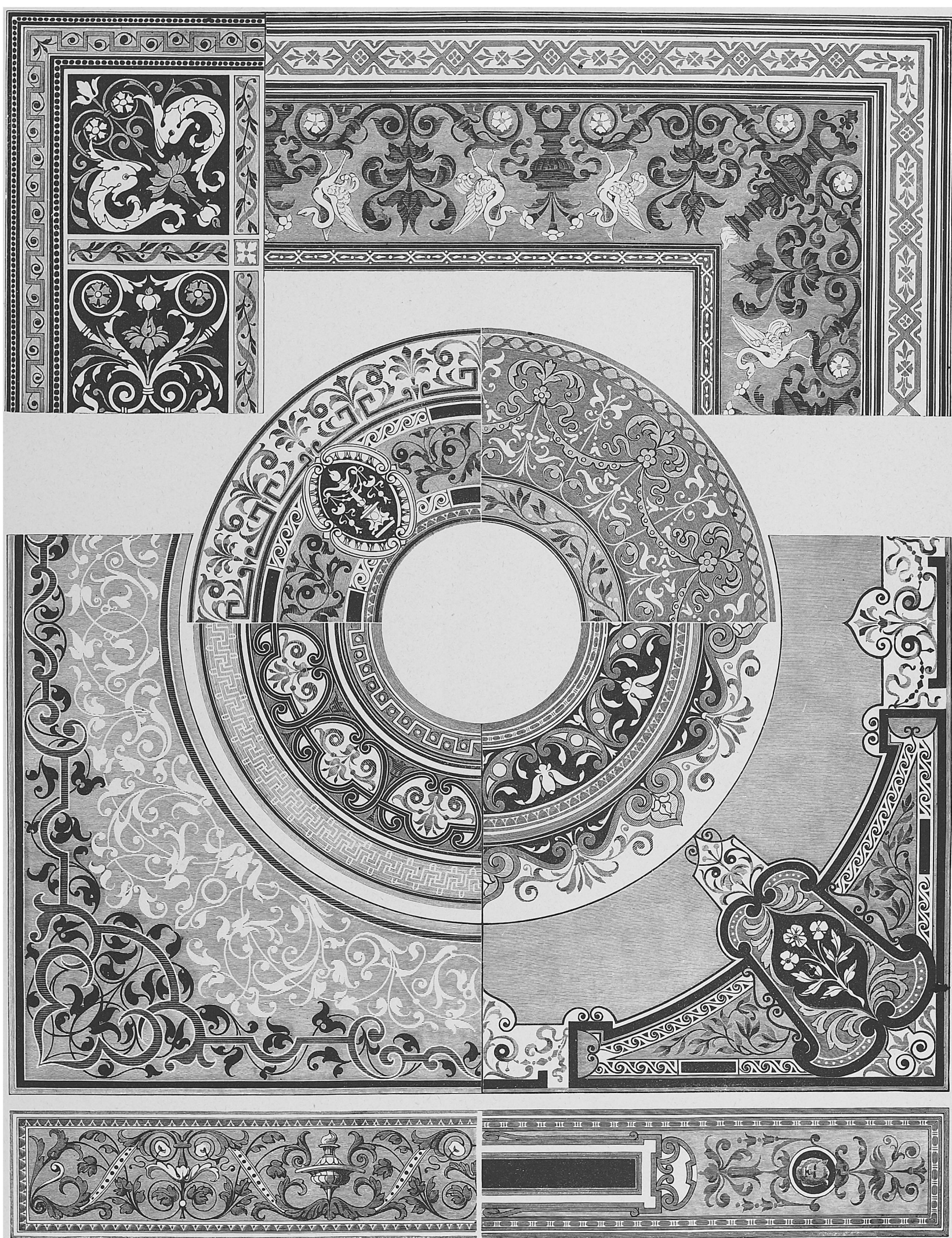
A curious instance of natural silver-plating is reported from the Lord of Lorne Mine, of the American Flat section, Nevada. The sides next to the veins and the hanging walls of the ledge



Mantel-Piece in Rosso di Levante with Appliqué Bronze Ornament; from the design of Ihne and Stegmüller executed by M. L. Schleicher in Berlin.



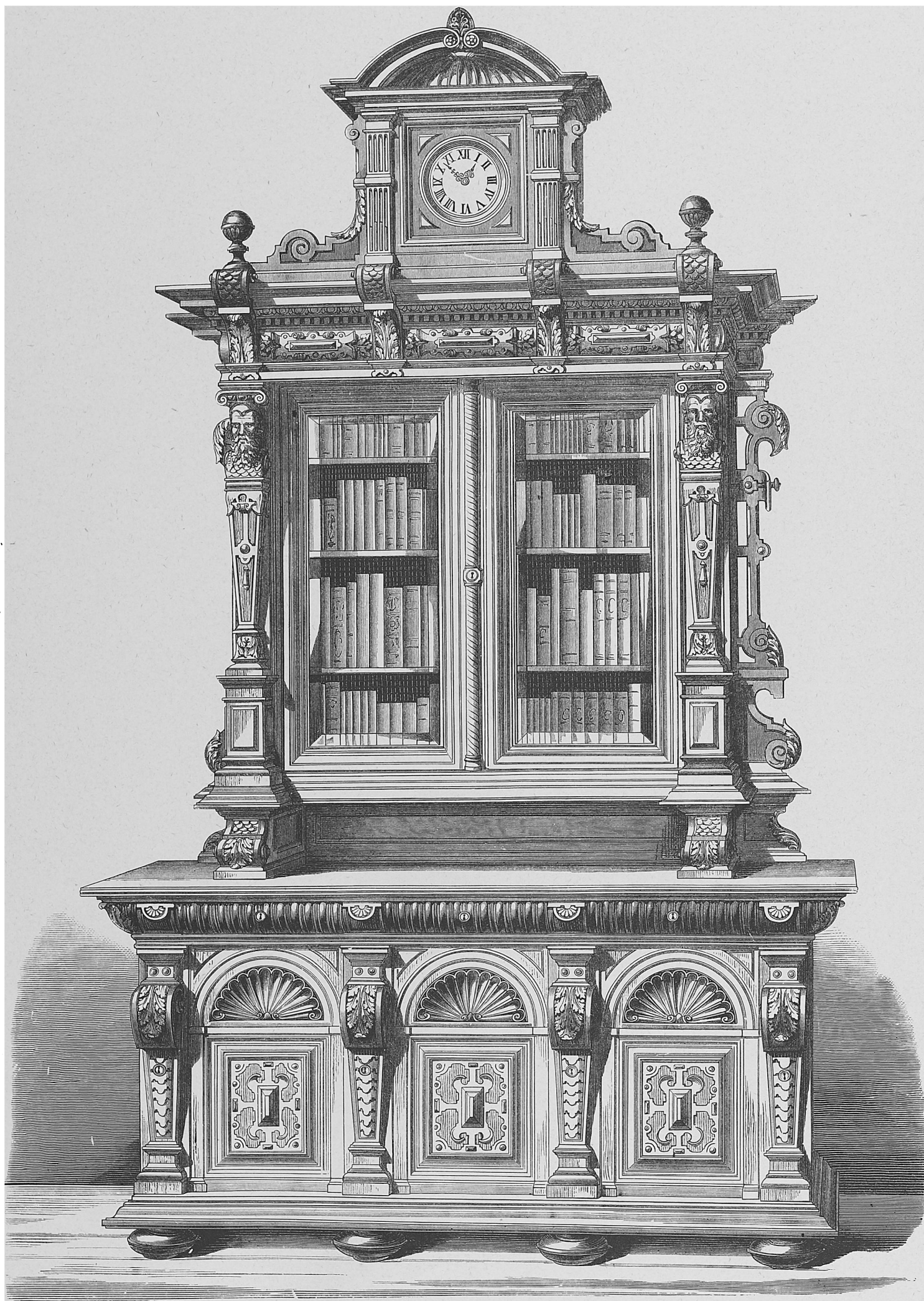
Jewelry, from the design of O. Girard manufactured by J. Bacher and Markowitsch and Scheid in Vienna.



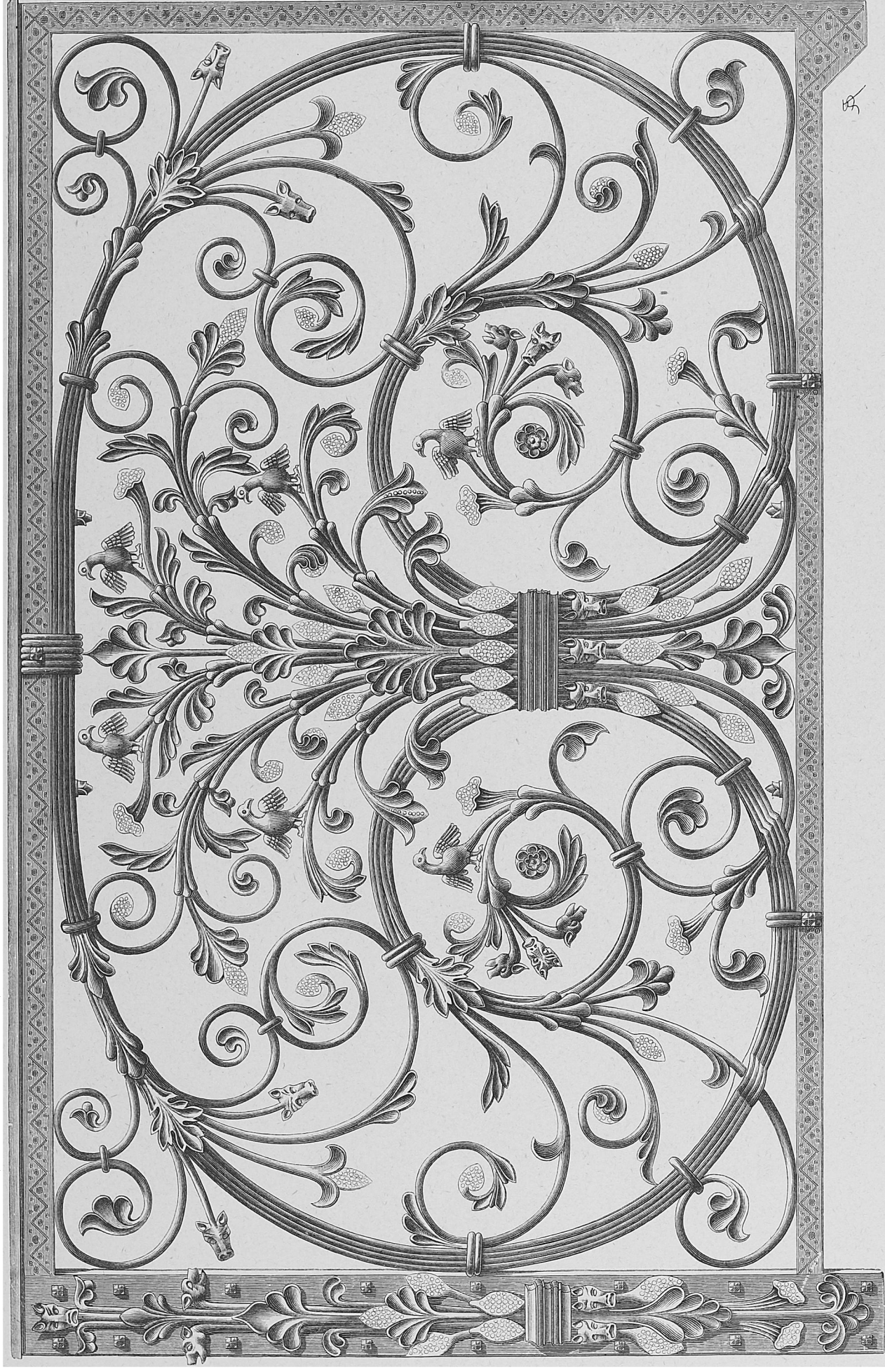
Specimens of Surface Decoration, designed by Eisenlohr and Weigle, Architects in Stuttgart.



Ewer in Silver Cast and Gilt by Odier, Goldsmith in Paris.



Book-Case, from the design of Ihne and Stegmüller executed by E. Langer, Cabinet-Maker in Schweidnitz.



Panel from the Communion Table in the Cathedral of Verdun, designed and manufactured by A. G. Moreau, Art-Metal Worker in Paris.



Cover of a Majolica Dish, middle of 16th century.